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[Embodiments]

Hereinafter, an embodiment of the present device will be described with reference to Fig. 1. As shown in Fig. 1(a), the present device is configured such that in a conventional soft landing device a weight detector 5 such as a load cell/pressure sensor is provided on the lower surface of the end of an arm 1 to receive its weight. An output signal a of the weight detector 5 is input to a controller 6 such as a micro computer and an output signal b therefrom is used to control a compensating device 3a.

Next description is made about operation of this device. When a wafer and a silica jig 2 are placed on the arm 1, as shown in Fig. 1(b), a deflection of the arm 1 is supported by the weight detector 5. A signal a from the weight detector 5 is input to the controller 6 and an output signal b from the controller 6 is used to rotate an eccentric cam 3 of the compensating device 3a. Compensation for deflection of the arm 1 is started by the operation of the eccentric cam 3 and as shown in Fig. 1(c), when an output signal a of detected weight from the weight detector 5 becomes zero, deflection compensation terminates. An output signal c from the compensating device 3a obtained then is used to store in the controller 6 a rotational angle of the eccentric cam 3 corresponding to the deflection compensated amount.